GOVERNMENT OF INDIA
WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION
LOK SABHA

UNSTARRED QUESTION NO:1165
ANSWERED ON:09.02.2017
Presence of Chemicals in Ground Water
Bhatt Smt.Ranjanben

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION be pleased to state:

(a) whether the quantity of various chemicals especially Boron is increasing in ground water in certain parts of the country including Delhi and if so, the details thereof;

(b) whether the Government is considering to take any steps to check it; and

(c) if so, the details thereof and the time by which these are likely to be implemented?

Answer

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION
(DR. SANJEEV KUMAR BALYAN)

(a) Ground water quality data generated during various scientific studies and ground water quality monitoring indicates that the ground water in some parts of various States is contaminated by Arsenic, Nitrate, Fluoride, Heavy Metals, etc. State-wise details of contamination of ground water is given at Annexure.

The presence of higher concentration of Boron in groundwater has been reported in some special studies taken up by Central Ground Water Board (CGWB) in some parts of the country especially Punjab, Haryana and Chikaballapur district of Karnataka.
(b) & (c) Contamination like Arsenic, Fluoride, Iron, Boron etc. are geogenic in nature and are caused due to their presence in water bearing formation from where they gets mobilized into ground water. CGWB carries out exploratory drilling to delineate contaminant free aquifer zones.

Further, Ministry of Drinking Water and Sanitation has informed that the States are assisted technically and financially in providing safe drinking water through the centrally sponsored National Rural Drinking Water Programme. Upto 67% of funds provided to the States under NRDWP can be utilized for coverage and tackling water quality problems with priority to Arsenic and Fluoride affected habitations. In addition, the States also received certain funds under the 5% Water Quality earmarked funds.
Contdâ€¦p/2

The State Governments have been directed to ensure availability of safe drinking water through Piped Water Supply as a long term measures. Since tackling this problem is a long term measure, Niti Aayog, as a stop gap arrangement, is supporting the State Governments for installation of Community Water Purification Plants for providing safe drinking water in the rural habitations of the Country, where, water is contaminated with Arsenic and Fluoride. To this end, over and above the regular allocation of funds under NRDWP, on the recommendations of Niti Aayog, Ministry of Finance has released Rs. 800.00 Crore during the financial year 2015-16 as a onetime 100% Central assistance to the States affected with water quality from Arsenic and Fluoride in the Country.

Since the problem of contamination of water by Arsenic and Fluoride has been serious in the rural habitations, Central Government has taken cognizance of this serious problem and decided to take short-term and long term measures with a ring fenced funding to tackle this problem in the remaining habitations of the Country. Over and above the normal release of funds to the States, during 2016-17, under NRDWP, the centre share amounting to Rs. 746.23 crore has also been released to the States affected with Arsenic and Fluoride under Water Quality Sub-Mission in the ratio of 90:10 (Centre: State) for Northern −Eastern States and 50:50 (Centre: State) other States focusing on mitigation of contamination of Fluoride and Arsenic in drinking water

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Annexure

Annexure referred in reply to Lok Sabha Unstarred Question No. 1165 dated 09.02.2017 regarding "Presence of Chemicals in Ground Water"

States-wise Details of Affected Districts with Ground Water Contamination by different Chemical Constituents

S.
No. State/ UT Salinity (EC above 3000 micro mhos/ cm)
(EC : Electrical Conductivity) Fluoride
(above 1.5 mg/l) Nitrate
(above 45 mg/l) Arsenic
(above 0.01 mg/l) Iron
(above 1mg/l) Heavy metals:

Lead
(above 0.01 mg/l)
Cadmium (above 0.003 mg/l)
Chromium (above 0.05 mg/l)
1 Andhra Pradesh Srikakulam, Visakhapatnam, East-Godavari, West-Godavari Krishna,
Guntur,
Prakasam,
Nellore,
Kadapa,
Kurnool, Ananthapur, Visa khapatnam, West-Godavari Krishna,
Guntur,
Prakasam,
Nellore,
Chittoor
Kadapa,
Kurnool, Ananthapur,
Sirkakulam Srikakulam,
Vizianagaram,
Visa khapatnam, East-Godavari,
West-Godavari Krishna,
Guntur,
Prakasam,
Nellore,
Chittoor
Kadapa,
Kurnool, Ananthapur, Guntur, Kurnool,
Nellore Vishakhapatnam Krishna,
Guntur,
Nellore,
Kurnool,
Chittoor, Cuddapah,
2 Telangana Adilabad, Nizamabad, Karimnagar, Warangal Khammam, Medak, Mehboob Nagar, Nalgonda, Adilabad, Karimnagar, Khammam, Warangal, Mahabubnagar, Medak, Nalgonda, Rangareddy, Nizamabad Adilabad, Nizamabad, Karimnagar, Warangal Khammam, Hyderabad, Mahabubnagar, Medak, Nalgonda, Rangareddy, Nalgonda,

Adilabad, Hyderabad, Karimnagar, Mahabubnagar, Medak, Nalgonda, Nizamabad, Ranga Reddy Lead : Rangareddy, Nalgonda
Cadmium: Rangareddy
Chromium: Rangareddy
3 Assam Goalpara, Kamrup, KarbiAnglong, Naugaon, Golaghat, Karimganj
Sivsagar, Jorhat, Golaghat, Sonitpur, Lakhimpur, Dhemaji, Hailakandi, Karimganj, Cachar, Barpeta, Bongaigaon, Goalpara, Dhubri, Nalbari, Nagaon, Morigaon, Kamrup,Darrang&Baksha Cachar, Darrang, Dhemaji, Dhubri, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup, KarbiAnglong, Karimganj, Kokrajhar, Lakhimpur, Morigaon, Nagaon, Nalbari, Sibsagar, Sonitpur
4 Arunachal Pradesh Changlang , East Siang, Lohit, Papumpare
5 Bihar Aurangabad, Banka, Bhagalpur, Gaya, Jamui, Kaimur(Bhabua), Munger, Nawada, Rohtas, Jahanabd, Lakhisarai, Sheikhpura, Nalanda Aurangabad, Banka, Bhagalpur, Bhojpur, Darbhanga, Kaimur(Bhabua), Patna, Rohtas, Saran, Siwan Begusarai, Bhagalpur, Bhojpur, Buxar, Darbhanga, Katihar, Khagaria, Kishanganj, Lakhisarai, Munger, Patna, Purnea, Samastipur, Saran, Vaishali
E.Champaran, Gopalganj, Lohardaga, Madhepura,
Muzaffarpur
Saharsa, Siwan, W Champaran Aurangabad, Begusarai, Bhojpur, Buxar, East Champaran, Gopalganj, Katihar, Khagaria, Kishanganj, Lakhiserai, Madhepura, Muzaffarpur, Nawada, Rohtas, Saharsa, Samastipur, Siwan, Supaul, West Champaran
6 Chhattisgarh Bastar, Balod , Balrampur, Bemetra, Bijapur , Durg, Kanker, Kondagaon, Korba, Koriya, Raigarh, Surajpur, Surguja Bastar, Bilaspur, Dantewada, Dhamtari, Jashpur, Kanker, Kawardha, Korba, Mahasamund, Raigarh, Raipur, Rajnandgaon Rajnandgaon Bastar, Dantewada, Kanker, Koriya, Lead: Korba
Cadmium: Korba
Chromium:Korba
7 Delhi New Delhi, North , South, East, West, North West, South West East Delhi, New Delhi, North West Delhi, South Delhi, South West Delhi, North Delhi, West Delhi
East Delhi, Central Delhi, New Delhi, North Delhi, North West Delhi, South Delhi, South West Delhi, West Delhi East, North east Lead : Along Najafgarh drain in North, West and South-west districts
Cadmium : Southwest
Chromium : Northwest, South, New Delhi, East
8 Goa North Goa , South Goa
9 Gujarat Ahmedabad, Amreli, Anand, Banaskantha, Bharuch, Bhavnagar, Dahod, Jamnagar, Junagadh, Kachchh, Kheda, Mahesana, Navsari, Patan, Porbandar, Rajkot, Sabarkantha, Surat, Surendranagar, Vadodara, Narmada Ahmedabad, Amreli, Anand, Banaskantha, Bharuch, Bhavnagar, Dahod, Gandhinagar, Jamnagar, Junagadh, Kachchh, Mehesana, Panchmahals, Patan, Porbandar, Rajkot, Sabarkantha, Surendranagar, Vadodara
Ahmedabad, Amreli, Anand, Banaskantha, Bharuch, Bhavnagar, Dahod, Jamnagar, Junagadh, Kachchh, Kheda, Mehesana, Narmada, Navsari, Panchmahals, Patan, Porbandar, Rajkot, Sabarkantha, Surat, Surendranagar, Vadodara Amreli, Anand, Bharuch, Bhavnagar, Dahod, Gandhinagar, Kachchh, Mehesana, Patan, Rajkot, Surendranagar, Vadodara Ahmedabad, Banaskantha, Bhavnagar, Kachchh, Mehesana,Narmada,

10 Haryana Ambala, Bhiwani, Faridabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Mohendragarh, Panipat, Rewari, Rohtak, Sirsa, Sonepat Ambali, Bhiwani, Fatehabad, Faridabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, Mahendergarh, Panchkula, Palwal,Panipat, Rewari, Rohtak, Sirsa, Sonepat, Yamuna Nagar
Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, Mahendargarh, Panchkula, Panipat, Rewari, Rohtak, Sirsa, Sonipat, Yamuna Nagar Ambala, Bhiwani, Faridabad, Fatehabad, Hissar, Jhajjar, Jind, Karnal, Panipat, Rohtak, Sirsa, Sonepat, Yamunanagar,
Mahendergarh, Palwal Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, Mahendargarh, Panipat, Rohtak, Sirsa, Sonipat, Yamuna Nagar Lead: Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Mahendragarh, Panchkula, Panipat, Rewari, Rohtak, Sirsa, Sonepat.
Cadmium: Bhiwani, Gurgaon, Jhajjar, Jind, Kaithal, Rewari, Rohtak.
Chromium: Fatehabad
11 Himachal Pradesh Una, Solan, Hamirpur, Kangra, Mandi, Kullu Kangra
12 Jammu & Kashmir Jammu, Kathua Jammu, Kathua, Anantnag, Kupwara Jammu, Kathua, Rajouri Baramulla, Budgam, Kathua, Kupwara, Pulwama, Srinagar Lead: Jammu (Gangyal), Bari Brahma, Kathua
Cadmium: Kathua
13 Jharkhand Bokaro, Dhanbad, Garhwa,Giridih, Godda, Gumla, Koderma, Pakur Palamu, Ranchi, , Sahebganj, Khunti
Chatra, Garhwa, Godda, Gumla, Lohardaga, Pakur, Palamu, PaschimiSinghbhum, PurbiSinghbhum, Ranchi, Sahibganj Sahebganj Chatra, Deoghar, East Singhbhum, Giridih, Ranchi, West Singhbhum Lead: Jamshedpur

14 Karnataka Bagalkote, Bangalore-Rural, Bangalore-Urban, Belgaum, Bellary, Bijapur, Chamarajnagara, Chikballapur, Chikmagalur, Chitradurga, Dakshina Kannada, Davanagere, Dharwad, Gadag, Gulburga, Hassan, Haveri, Kodagu/ Coorg, Kolar, Koppal, Mandya, Mysore, Raichur, Ramanagara, Shimoga, Tumkur, Udupi, Uttara Kannada, Yadgir Bagalkot, Bangalore(Rural), Bangalore(Urban),Belgaum, Bellary, Bidar, Bijapur, Chikaballapur Chamarajanagar, Chikmagalur, Chitradurga, Davanagere, Dharwad, Dakshina Kannada, Gadag, Gulburga, Hassan, Haveri, Kolar, Koppal, Mandya, Mysore, Raichur, Ramnagara , Shimoga, Tumkur, Yadgir, Uttara Kannada, Udupi
Bagalkot, , Bangalore, Belgaum, Bellary, Bidar, Bijapur, Chikmagalur, Chitradurga, Davanagere, Dharwad, Gadag, Gulburga, Hassan, Haveri, Kodagu, Kolar, Koppal, Mandya, Raichur. Shimoga, Udupi, Uttar Kannada Raichur and Yadgir district Bagalkot, Bangalore, Belgaum, Bellary, Bidar, Bijapur, Chikmagalur, Chitradurga, Dakshina Kannada, Davanagere, Gulburga, Hassan, Haveri, Kodagu, Kolar, Koppal, Mysore, Raichur, Shimoga, Tumkur, Udupi, Uttar Kannada
15 Kerala Trivandrum, Kollam, Kottayam, Ernakulam Palakkad, Alappuzha, Idukki, Ernakulum, Thiruvananthpuram
Alappuzha, Idukki, Kollam, Kottayam, Kozhikode, Malappuram, Palakkad, Pathanamthitta, Thiruvananthapuram, Thrissur, Wayanad Alappuzha, Ernakulam, Idukki, Kannur, Kasaragod, Kollam, Kottayam, Kozhikode, Malappuram, Palakkad, Pathanamthitta, Quilon, Thiruvananthapuram, Thrissur, Wayanad Lead: Ernakulam , Kollam
Chromium: Kollam
16 Madhya Pradesh Balaghat, Bhind,Chhatarpur, Gwalior, Indore, Jhabua, Khargone, Morena, Neemuch, Ratlam, Rewa, Satna,Sehore, Sheopur, Shivpuri, Ujjain Alirajpur, Balaghat, Barwani, Betul, Bhind, Bhopal,Chhatarpur, Chhindwara, Datia, Dewas, Dhar, Dindori, Guna, Gwalior, Harda, Jabalpur, Jhabua, Khargon, Mandla, Mandsaur, Morena, Narsinhpur, Neemuch, Panna, Raisen, Rajgarh, Ratlam, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Sheopur, Sidhi, Shivpuri, Singrauli, Uajjain, Vidisha

Alirajpur, Anuppur, Ashok Nagar, Balaghat, Barwani, Betul, Bhind, Bhopal, Burhanpur, Chhatarpur, Chhindwara, Damoh, Datia, Dewas, Dhar, , Dindori,Guna, Gwalior, Harda, Hoshangabad, Indore, Jabalpur, Jhabua, Khandwa, Khargon, Katni, Mandla, Mandsaur, Morena, Narsimhapur, Neemuch, Panna, Raisen, Rajgarh, Ratlam, Rewa, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Sheopur, Shivpuri, Sidhi, Singrauli, Tikamgarh, Ujjain, Umaria, Vidisha Betual,Burhanpur, Chhindwara, Dhar, Khandwa, Mandsaur, Neemuch, Umaria Balaghat,Barwani, Betul, Bhind, Bhopal, Chhatarpur, Chhindwara, Damoh, Datia, Dewas, Dhar, Dindori, Guna, Gwalior, Hoshangabad, Indore, Jabalpur, Jhabua, Khandwa, Katni, Mandla, Mandsaur, Narsinghpur, Neemuch, Panna, Raisen, Rajgarh,Ratlam, Rewa, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur,Shivpuri, Sidhi,Tikamgarh, Ujjain, Umaria, Vidisha, East Nimar Lead: Balaghat, Barwani,Damoh, Datia, Dewas, Dhar, Dindori, Guna, Gwalior, Raisen, Rajgarh, Satna, Sehore, Shajapur, Shivpuri, Vidisha
17 Maharashtra Ahmednagar, Akola, Amravati, Aurangabad, Beed, Bhandara,Buldhana, Chandrapur,Dhule,Jalgaon, Jalna, Nagpur, Nasik, Pune,Raigard, Sangli,Satara, Solapur, Thane,Yavatmal Ahmednagar, Beed, Chandrapur, Bhandara, Dhule, Gadchiroli, Gondia, Jalna, Nagpur, Nanded, Ratnagiri, Sangli, Satara, Sindhudurg, Solapur, Wardha,Yavatmal
Ahmednagar, Akola, Amravati, Auragabad, Beed, Bhandara, Buldana, Chandrapur, Dhule, Gadchiroli, Gondia, Hingoli, Jalgaon, Jalna, Kolhapur, Latur, Mumbai, Nagpur, Nanded, Nandurbar, Nasik, Osmanabad, Parbhani, Pune, Sangli, Satara, Solapur, Wardha, Washim, Yavatmal Ahmednagar, Amravati, Beed, Buldana, Chandrapur, Dhule, Gadchiroli, Jalna, Kohlapur, Latur, Nandurbar, Nashik, Osmanabad, Parbhani, Ratnagiri, Satara, Thane, Wardha, Washim, Yavatmal Lead: Ahmed Nagar, Akola, Aurangabad, Beed, Buldana, Dhule, Gadchiroli, Jalna, Kolhapur, Latur, Nagpur, Nanded, Osamabad, Parbhani, Pune, Sangli, Wardha, Washim, Yavatmal
18 Manipur Bishnupur, Thoubal Bishnupur, Thoubal
19 Meghalaya East Garo Hills, East Khasi Hills, Jaintia Hills
20 Nagaland Dimapur
21 Odisha Balasore, Bhadrak, Ganjam, Jagatsingpur, Jajpur, Kendrapara, Puri Angul, Balasore, Bhadrak,Bargarh Bolangir, Boudh, Cuttack, Deogarh Dhenkanal, Jajpur, Kandhamal ,Keonjhar, Khurda, Mayurbhanj, Nayagarh, Nawapara, Ganjam, Jagatsinghpur, Kalahandi, Koraput, Puri, Rayagada, Sambalpur, Sonepur, Sundargarh

Angul, Balasore, Bargarh, Bhadrak, Bolangir, Baudh, Cuttack, Deogarh, Dhenkanal, Gajapati, Ganjam, J.Singhpur, Jajpur, Jharsuguda, Kalahandi, Kendrapara, Keonjhar, Khurda, Koraput, Malkangiri, Mayurbhanj, Nawapada, Nayagarh, Phulbani, Puri, Sambalpur, Sundergarh, Sonpur Gajapati Balasore, Bargarh, Bhadrak, Cuttack, Deogarh, J.Singhpur, Jajpur, Jharsuguda, Kalahandi, Kandmahal, Keonjhar, Kendrapara,Khurda, Koraput, Mayurbhanj, Nayagarh, Puri, Rayagada, Sambalpur, Sundergarh, Sonpur Chromium (Hexavalent) - Sukinda valley in Sukinda block of Jajpur District
22 Punjab Bhatinda, Faridkot, Ferozpur, Gurudaspur, Mansa, Moga, Muktsar Patiala, Sangrur Amritsar, Barnala, Bhatinda, Fazilka, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Jalandhar, Ludhiana, Mansa, Moga, Muktsar, Pathankot, Patiala, Ropar, Sangrur,

SAS Nagar (Mohali), Tarn-Taran
Amritsar, Barnala, Bhatinda, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Hoshiarpur, Jalandhar, Kapurthala, Ludhiana, Mansa, Moga, Muktsar, NawanShahr, Patiala, Ropar, Rupnagar, Sangrur, Tarn-Taran Mansa, Amritsar, Gurdaspur, Hoshiarpur, Kapurthala, Ropar, Faridkot, Nawashahar, Sangrur, Taran Taran Bhathinda, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Hoshiarpur, Mansa, Rupnagar, Sangrur Lead: Amritsar, Bathinda, Ferozepur, Gurdaspur, Muktsar, Ropar
Cadmium: Fatehgarh Sahib, Ludhiana, Nawansahar, Patiala, Ropar, Sangrur, Sasnagar, Tarantaran
Chromium: Amritsar, Bathinda, Gurdaspur, Kapurthala, Mansa, Ropar, Barnala, Sangrur, Sasnagar, Tarantaran
23 Rajasthan Ajmer, Alwar, Baran, Barmer, Bharatpur, Bhilwara, Bikaner, Bundi, Chittorgarh, Churu, Dausa, Dhaulpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Rajasamand, Sawai-Madhopur, Sikar, Sirohi, Tonk, Udaipur Ajmer, Alwar, Banswara, Barmer, Bharatpur, Baran, Bhilwara, Bikaner, Bundi, Chittaurgarh, Churu, Dausa, Dhaulpur, Dungarpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Pratapgarh, Rajsamand, Sirohi, Sikar, Sawai Madhopur, Tonk, Udaipur
Ajmer, Alwar, Banswara, Baran, Barmer, Bundi,Bharatpur, Bhilwara, Bikaner, Chittaurgarh, Churu, Dausa, Dhaulpur, Dungarpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Partapgarh, Rajasamand, Sirohi, Sikar, SwaiMadhopur, Tonk, Udaipur Ganganagar Ajmer, Alwar, Banswara, Baran, Barmer, Bharatpur, Bhilwara, Bikaner, Bundi, Chittaurgarh, Churu, Dausa, Dhaulpur, Dungarpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer,Jalore, Jhalawar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Pratapgarh, Rajsamand, Sikar, SawaiMadhopur, Sirohi, Tonk, Udaipur
Lead: Jhunjhunu Dist (Khetri Copper Deposit), Pali, Jaipur (Sambhar Lake, Sanganer)
24 Tamil Nadu Chennai, Coimbatore, Cuddalore, Dharampuri, Dindigul, Kancheepuram, Karur, Nagapattinam, Namakkal, Perambalur, Pudukkottai, Ramnathapuram, Salem, Sivaganga, Thanjavur, Theni, Thiruvallur, Tirunelveli, Trichchirappalli, Tuticorin, Vellore, Villupuram, Virudhunagar, Coimbatore, Dharmapuri, Dindigul, Erode, Karur, Kancheepuram, Krishnagiri, Namakkal, Madurai, Puddukotai, Ramanathanpuram, Salem, Sivagangai, Theni, Thiruvannamalai,
Tiruchirapally,
Thirunelveli, Tirupur Vellore, Chennai, Coimbatore, Cuddalore, Dharmapuri, Dindigul, Erode, Kancheepuram, Kanyakumari, Karur, Madurai, Namakkal, Nilgiris, Perambalor, Puddukotai, Ramanathanpuram, Salem, Sivagangai, Theni, Thiruvannamalai, Thanjavur, Tirunelveli, Thiruvallur, Trichy, Tuticorin, Vellore, Villupuram, Virudhunagar Ariyalur
Cuddalore, Nagapattinam,
Ramnathapuram, Tiruvallur, Tirunelveli, Thiruvarur, Trichchirappalli, Tuticorin Namakkal, Salem Lead : Dindigul, Tiruvallur, Kancheepuram
Cadmium : Tiruvallur
Chromium: Cuddalore, Dindigul, Erode, Kanchipuram, Tiruvallur
25 Tripura Dhalai, North Tripura, South Tripura, West Tripura,
26 Uttar Pradesh Agra, Aligarh, Firozabad, Hamirpur, Kashganj,Kanpur Nagar, Mathura, Rae Bareli,Unnao Agra, Aligarh, Allahabad ,Auraiya, Banda ,Bulandshahar ,Etah,Etawah,, Farrukhabad, Fatehpur, , Firozabad, G B Nagar, Ghaziabad, Hathras,Jaunpur, Kannauj , Kanpur Nagar, Kasganj (Kashiram Nagar), Lalitpur, Mahoba, Mainpuri, Mathura, Maunath Bhanjan, Pratapgarh, Rai Bareli, Shajahanpur, Sonbhadra, Sultanpur, Varanasi and Unnao Agra, Aligarh, Allahabad, Ambedkar Nagar, Auraiya, Azamgarh, Badaun, Baghpat, Balrampur, Banda, Barabanki, Bareilly, Basti, Bijnor, Bulandsahr, Chitrakoot, Etah, Fatehpur, Firozabad, GB Nagar, Ghaziabad, Ghazipur, Hamirpur, Hardoi, Hathras, Jaunpur, Jhansi, Kannauj, Kanpur Dehat, Lakhimpur, Mahoba, Mathura, Meerut, Mau, Moradabad, Muzaffarnagar, Mirzapur, Raebarelli, SantRavidas Nagar, Shajahanpur, Sitapur, Sonbhadra, Sultanpur, Shravasti, Siddarth Nagar, Unnao Bahraich, Balia, Balrampur,
Bareilly, Basti, Bijnor, Chandauli, Ghazipur, Gonda, Gorakhpur, LakhimpurKheri, Meerut, Mirzapur, Muradabad, Rai Bareilly, SantKabir Nagar, Shajahanpur, Siddarthnagar, SantRavidasNagar, Unnao, Azamgarh, Bahraich, Badaun, Deoria, Jhansi, Kausambi, Kushinagar, Pilibhit, Maunath Bhanjan,

Azamgarh, Ballia, Balrampur, Etawah, Fatehpur, Gazipur, Gonda, Hardoi, KanpurDehat, Kanpur Nagar, Lakhimpur, Lalitpur, Mau, Siddartnagar, Unnao Lead: Muzzafar Nagar, Mathura, Moradabad, Allahabad, Bhadohi, Ghaziabad, Jaunpur, Kanpur, Raebareli, Sonbhadra
Cadmium: Varanasi city, Unnao
Chromium : Kashi Vidyapeeth, Varanasi, Kanpur, Unnao
27 Uttarakhand Dehradun, Haridwar, Udhamsinghnagar
28 West Bengal Howrah, N 24 Parganas, PurbaMedinipore, S 24 Parganas Bankura, Birbhum, Dakshindinajpur, Malda, Purulia, Uttardinajpur, South 24 Praganas
Bankura, Bardhaman Bardhaman, Hooghly, Howrah, Malda, Murshidabad, Nadia, N-24 Parganas, S- 24 Parganas,
Kochbihar
Bankura, Bardhaman, Birbhum, Dakhindinajpur, E. Midnapur, Howrah, Hugli, Jalpaiguri, Kolkatta, Murshidabad, N-24 Parganas, Nadia, S-24 Parganas, Uttardinajpur, West Midnapur Lead: Malda, Murshidabad, Nadia, N-24 Pargana, S-24 Pragana, Kolkata
Cadmium: N-24 Praganas, S-24 Prganas
Chromium: N-24 Praganas, Murshidabad
29 Andaman& Nicobar Andaman
30 Daman & Diu Diu
Total 212 districts in 15 states 335 districts in 20 states 387 districts in 21 states 153 districts in 21 states & UTs 302 districts in 25 states and 1 UT Pb in 92 districts in 14 states
Cd in 24 districts in9 states
Cr in 29 districts in 10 states

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